

CLAIMS:

5 What is claimed is:

1. A method of transmitting data from a source system to a
target system over a network, said data being divided
10 into a number of packets before transmission, the
method comprising the steps of:

15 determining whether the number of packets exceeds a
threshold number; and

20 transmitting the packets in parallel, if the number of
packets exceeds the threshold number, each packet
having an indicium for properly reconstructing the data
by the target system.

2. The method of Claim 1 wherein a plurality of network
connections are established to transfer the packets in
parallel.

25 3. The method of Claim 2 wherein the network connections
are TCP/IP connections.

30 4. The method of Claim 3 wherein each packet has an IP
header, said IP header having an IP identification
field.

5. The method of Claim 4 wherein the indicium is placed in the IP identification field.
6. A computer program product on a computer readable medium for transmitting data from a source system to a target system over a network, said data being divided into a number of packets before transmission, the computer program product comprising:
 - code means for determining whether the number of packets exceeds a threshold number; and
 - code means for transmitting the packets in parallel, if the number of packets exceeds the threshold number, each packet having an indicium for properly reconstructing the data by the target system.
7. The computer program product of Claim 6 wherein a plurality of network connections are established to transfer the packets in parallel.
8. The computer program product of Claim 7 wherein the network connections are TCP/IP connections.
9. The computer program product of Claim 8 wherein each packet has an IP header, said IP header having an IP identification field.
10. The computer program product of Claim 9 wherein the indicium is placed in the IP identification field.

11. An apparatus for transmitting data from a source system to a target system over a network, said data being divided into a number of packets before transmission, the apparatus comprising:

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means for determining whether the number of packets exceeds a threshold number; and

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means for transmitting the packets in parallel, if the packets exceed the threshold number, each packet having an indicium for properly reconstructing the data by the target system.

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12. The apparatus of Claim 11 wherein a plurality of network connections are established to transfer the packets in parallel.

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13. The apparatus of Claim 12 wherein the network connections are TCP/IP connections.

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14. The apparatus of Claim 13 wherein each packet has an IP header, said IP header having an IP identification field.

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15. The apparatus of Claim 14 wherein the indicium is placed in the IP identification field.

16. A computer system for transmitting data to a target system over a network, said data being divided into a number of packets before transmission, the computer system comprising:

at least one memory device for storing code data; and

a plurality of processors for processing the code data to determine whether the number of packets exceeds a threshold number and to transmit the packets in parallel, if the packets exceed the threshold number, each packet having an indicium for properly reconstructing the data by the target system.

- 10 17. The computer system of Claim 16 wherein a plurality of network connections are established to transfer the packets in parallel.
- 15 18. The computer system of Claim 17 wherein the network connections are TCP/IP connections.
19. The computer system of Claim 18 wherein each packet has an IP header, said IP header having an IP identification field.
- 20 20. The computer system of Claim 19 wherein the indicium is placed in the IP identification field.

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